

Remarks

Claims 1, 11, 13, 14, 15, and 18 have been amended.

Objection To Specification

The objection to the specification has been overcome by canceling or correcting terms appearing in Claims 11, 13, and 18.

The 35 USC 112 Rejection

Claims 11-17 are rejected under 35 USC 112, second paragraph, as being indefinite. The objections to claim 11, claim 13, lines 6 and 7, claim 14 and claim 15 have been overcome by the above amendments to these claims. Regarding the objection to claim 13, line 8, the antecedent basis is found in line 5 of parent claim 11. Thus, this rejection should be withdrawn.

The 35 USC 102 Rejection

Claims 1-15 and 17-20 are rejected under 35 USC 102(b) as clearly anticipated by Koo et al (Glow Discharge Detector). Note that claims 5 and 6 have been cancelled. The reference does not teach a "pin/solid member" as stated by the Examiner, but suggests the use of two "pins" swaged in both anode and cathode stainless tubes. There is zero teaching that the pins are "solid". Further, as shown in Applicants' Figure 3, the "solid" member 13' is not a pointed member or pin as is pointed member 16. If one of the pins referred to in the reference is, as stated by the Examiner, "a pin, thus having a point", then the other of the two pins also has a "a point". In the claims, as now amended, the "solid member" has a flat face, which is clearly not taught in this reference. The device illustrated in Figure 3 of the instant application and recited in the claims is an improvement over the double pin arrangement suggested in Koo et al was an improvement over the device of Figure 2 of Koo et al. To support a rejection under

35 USC 102, the reference must teach each feature recited in the claims so rejected.

Obviously, the last line on page 3 of Koo et al does not teach or suggest "a solid member having a flat end" as now set forth in the claim, as required under 35 USC 102. Thus, this ground of rejection should be withdrawn.

The 35 USC 103 Rejection

Claims 16, 21 and 22 are rejected under 35 USC 103(a) as unpatentable over Koo et al. These claims depend from Claims 11 or 21, which, as pointed out above, have been amended to clearly patentable define over the teachings of page 3, last 4 lines of Koo et al. Thus, this rejection should be withdrawn.

Conclusion

In view of the amendments to the claims and the foregoing comments, it is deemed that each objection and rejection has been overcome. Thus, this application is believed to be in condition for allowance.

Respectfully submitted,

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